

YOR 920030171  
Gustavson et al  
SCK

Matrix Operation:  $C = C - A^T * B$

$j = 0, N-1, NB$   
 $i = 0, M-1, MB$   
 $l = 0, K-1, KB$

Matrix C  
(Entire matrix usually  
stored in column major format)

Matrix A  
(Entire matrix usually  
stored in row major format)

Matrix B  
(Entire matrix usually  
stored in column  
major format)

107  
MB x NB Submatrix:  
 $C(i:i+MB-1, j:j+NB-1)$

105  
MB x KB Submatrix:  
 $A(l:l+KB-1, i:i+MB-1)$   
of block row vector  
 $A(0:KB-1, i:i+MB-1)$

106  
KB x NB Submatrix:  
 $B(l:l+KB-1, j:j+MB-1)$   
of block  
column vector  
 $B(0:K-1, j:j+MB-1)$

FIGURE 1

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2100

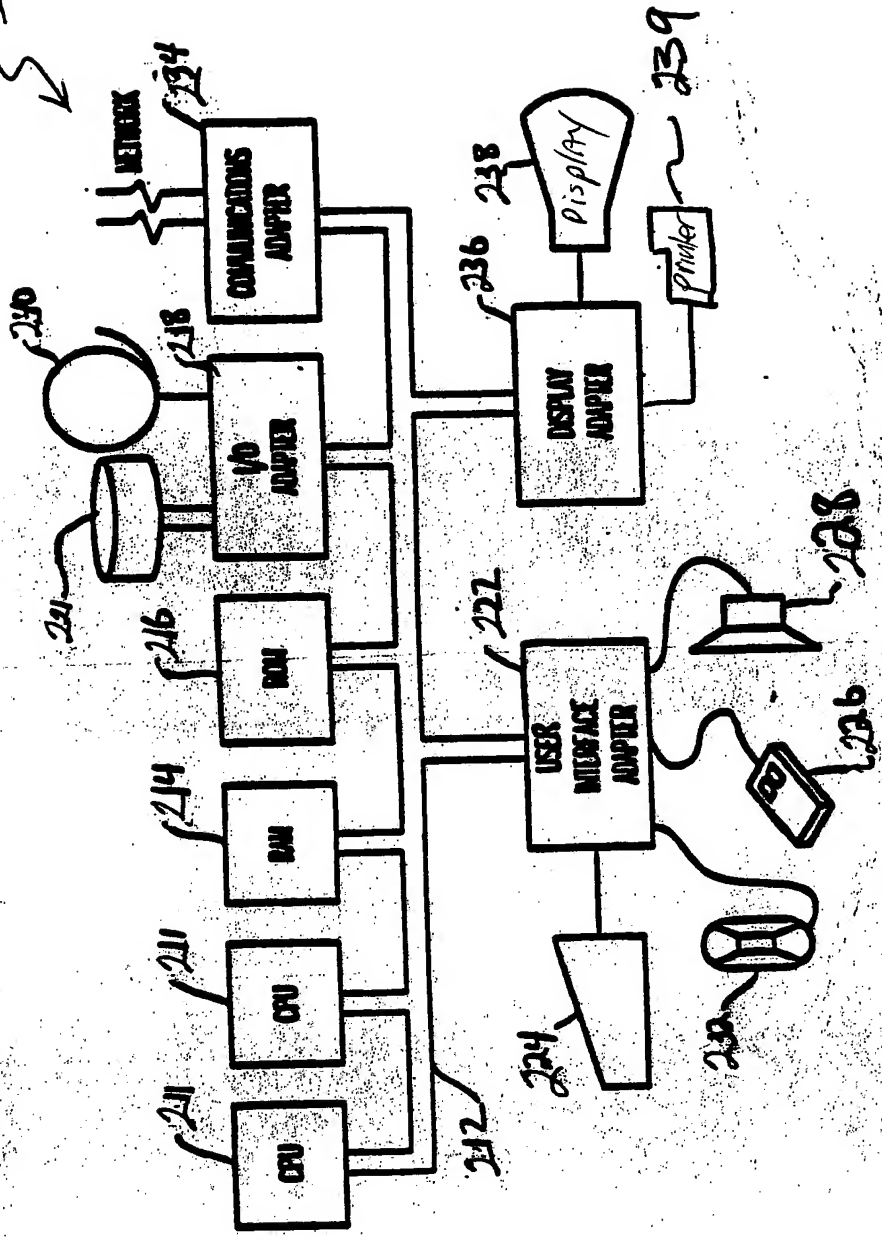


FIGURE 2

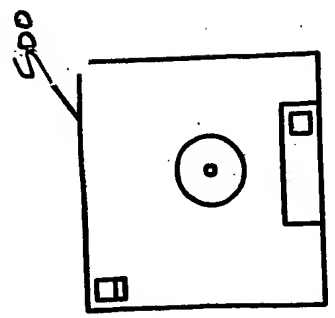


FIGURE 5

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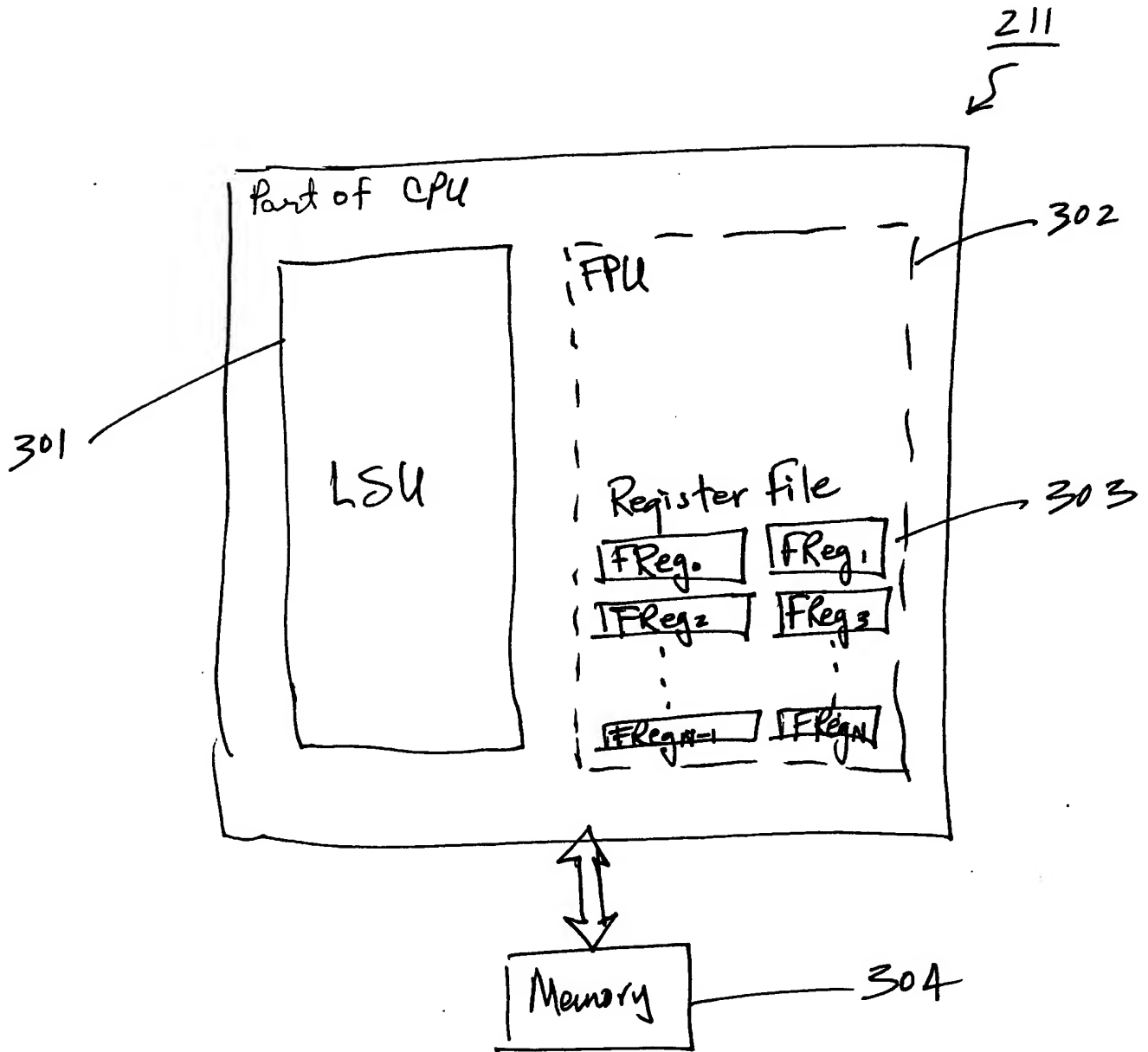


FIGURE 3

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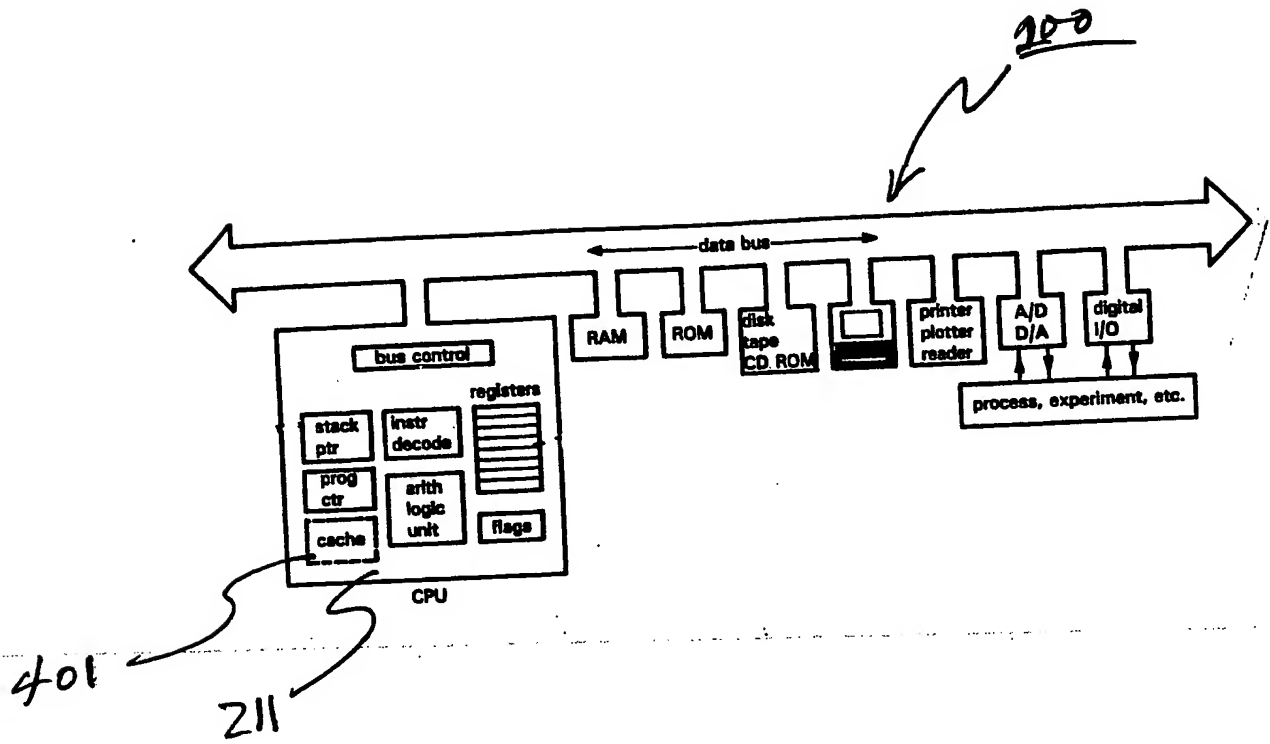


FIGURE 4